__D__FAS __C__orporate __I__nformation __I__nfrastructure

Elizabeth A. McGrath
Defense Finance and Accounting Service
Systems Integration
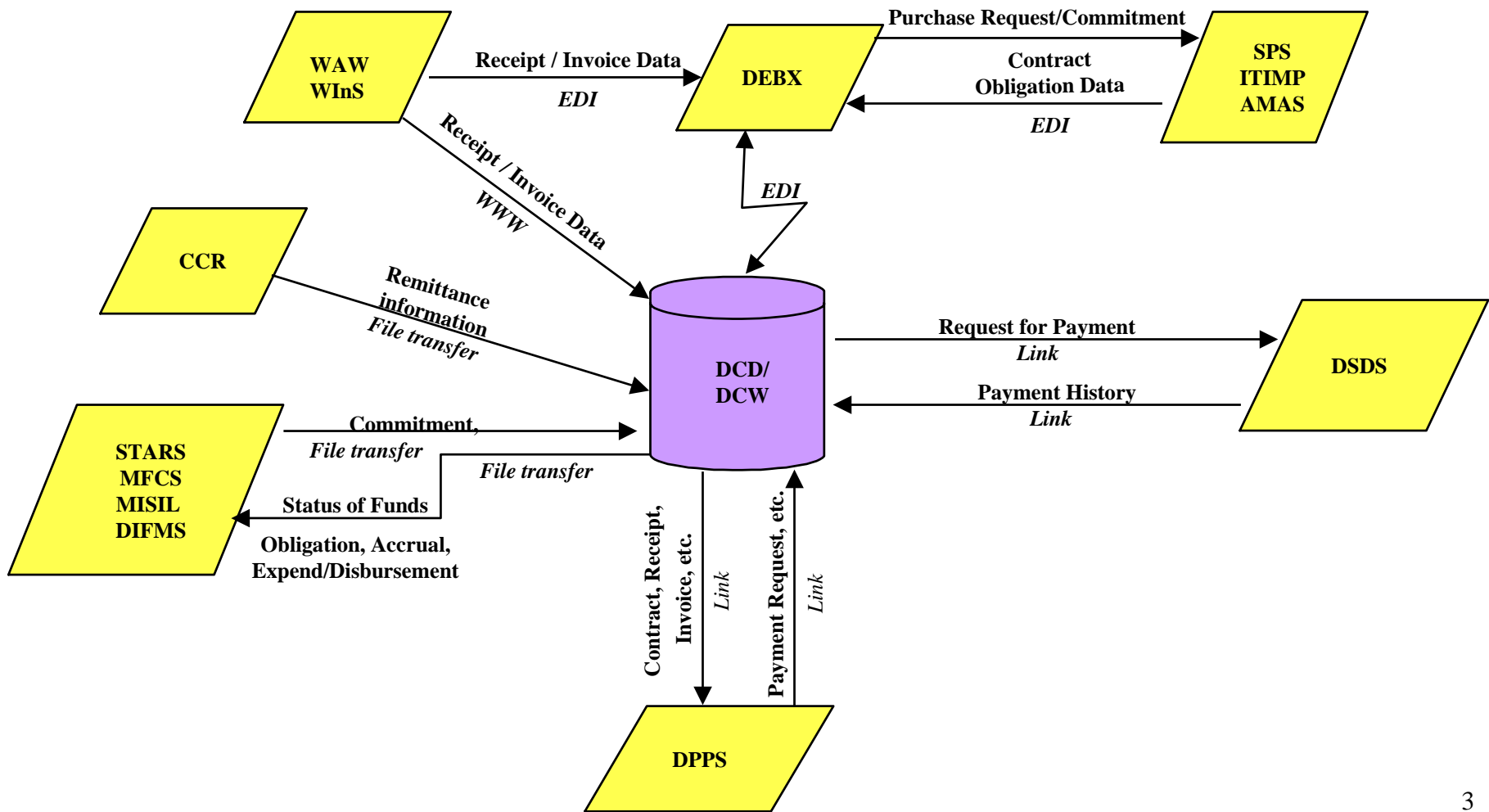**June 21, 2001**

elizabeth.mcgrath@dfas.mil

Agenda

- "To Be" Deployment Roadmap
- SOCOM Architecture
- DPPS Architecture/Target Environment
- End-to-End Procurement Process
- Business Process Changes
- Deployment Snapshot
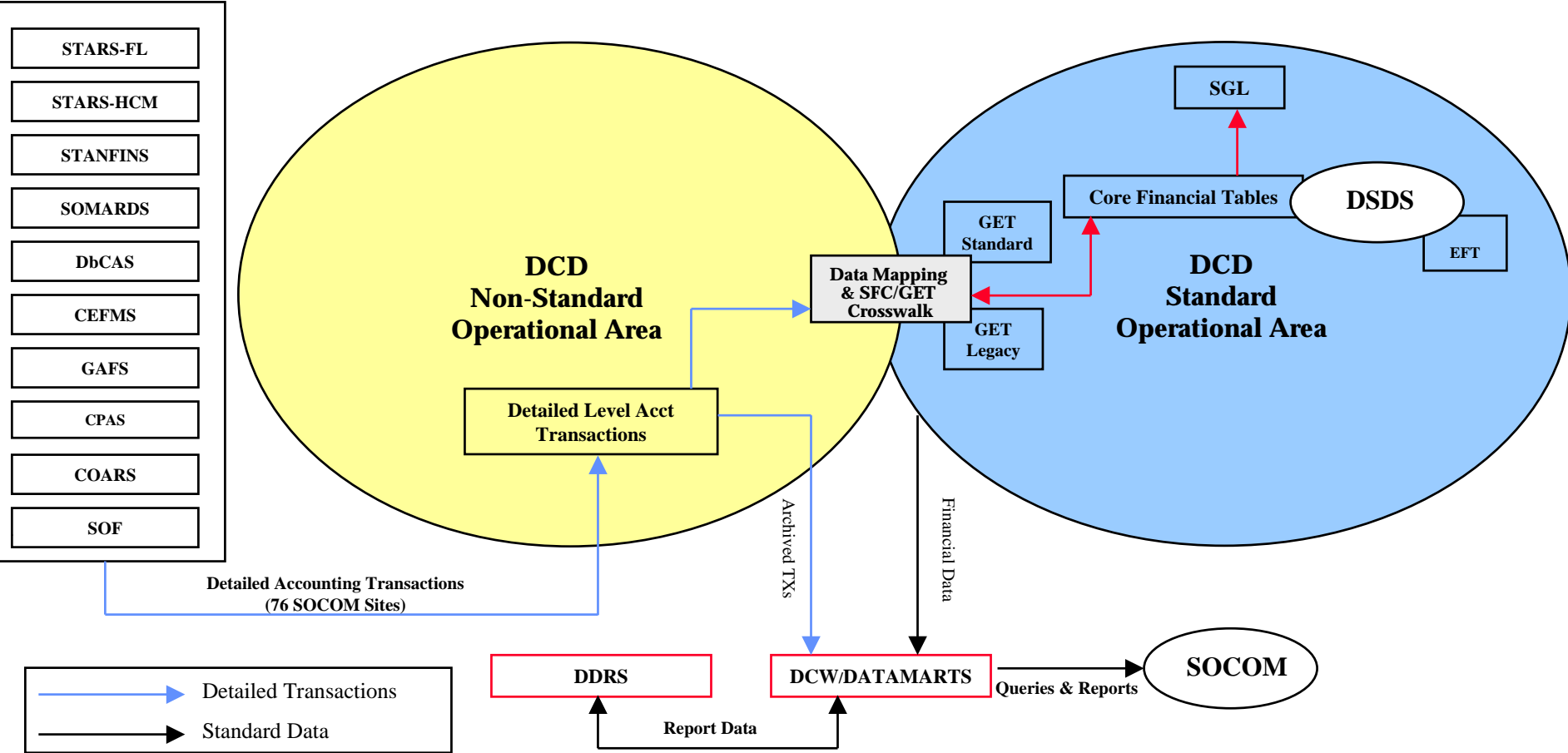- ERPs
- The Payoffs
- Video
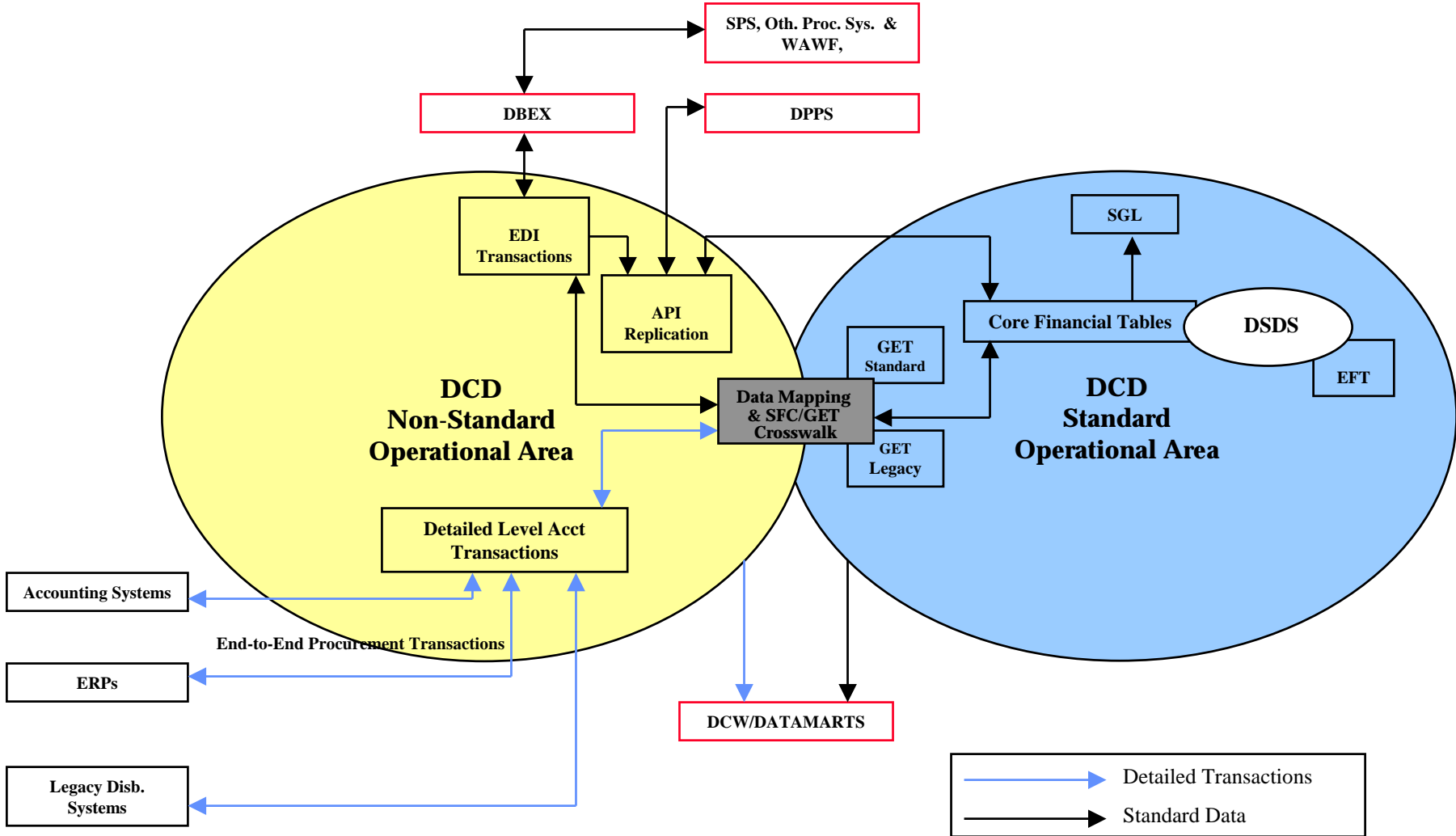
End-to-End Procurement Process

DCII

| STARS-FL |
| STARS-HCM |
| STANFINS |
| SOMARDS |
| DbCAS |
| CEFMS |
| GAFS |
| CPAS |
| COARS |
| SOF |

DCD Non-Standard Operational Area

Detailed Level Acct Transactions

Data Mapping & SFC/GET Crosswalk

GET Standard

GET Legacy

SGL

Core Financial Tables

DSDS

EFT

DCD Standard Operational Area

Detailed Accounting Transactions (76 SOCOM Sites)

Archived TXs

Financial Data

DDRS

DCW/DATAMARTS

SOCOM

Queries & Reports

Report Data

Detailed Transactions

Standard Data

4

DPPS Architecture

SPS, Oth. Proc. Sys. & WAWF,

DBEX

DPPS

EDI Transactions

API Replication

SGL

Core Financial Tables

DSDS

EFT

GET Standard

GET Legacy

Data Mapping & SFC/GET Crosswalk

DCD Non-Standard Operational Area

DCD Standard Operational Area

Detailed Level Acct Transactions

Accounting Systems

End-to-End Procurement Transactions

ERPs

DCW/DATAMARTS
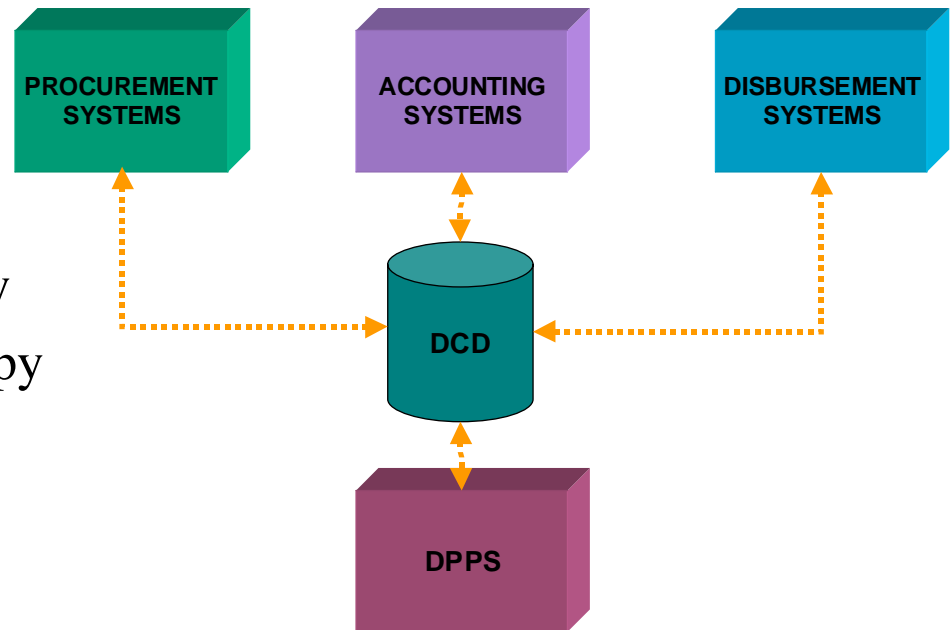
Legacy Disb. Systems

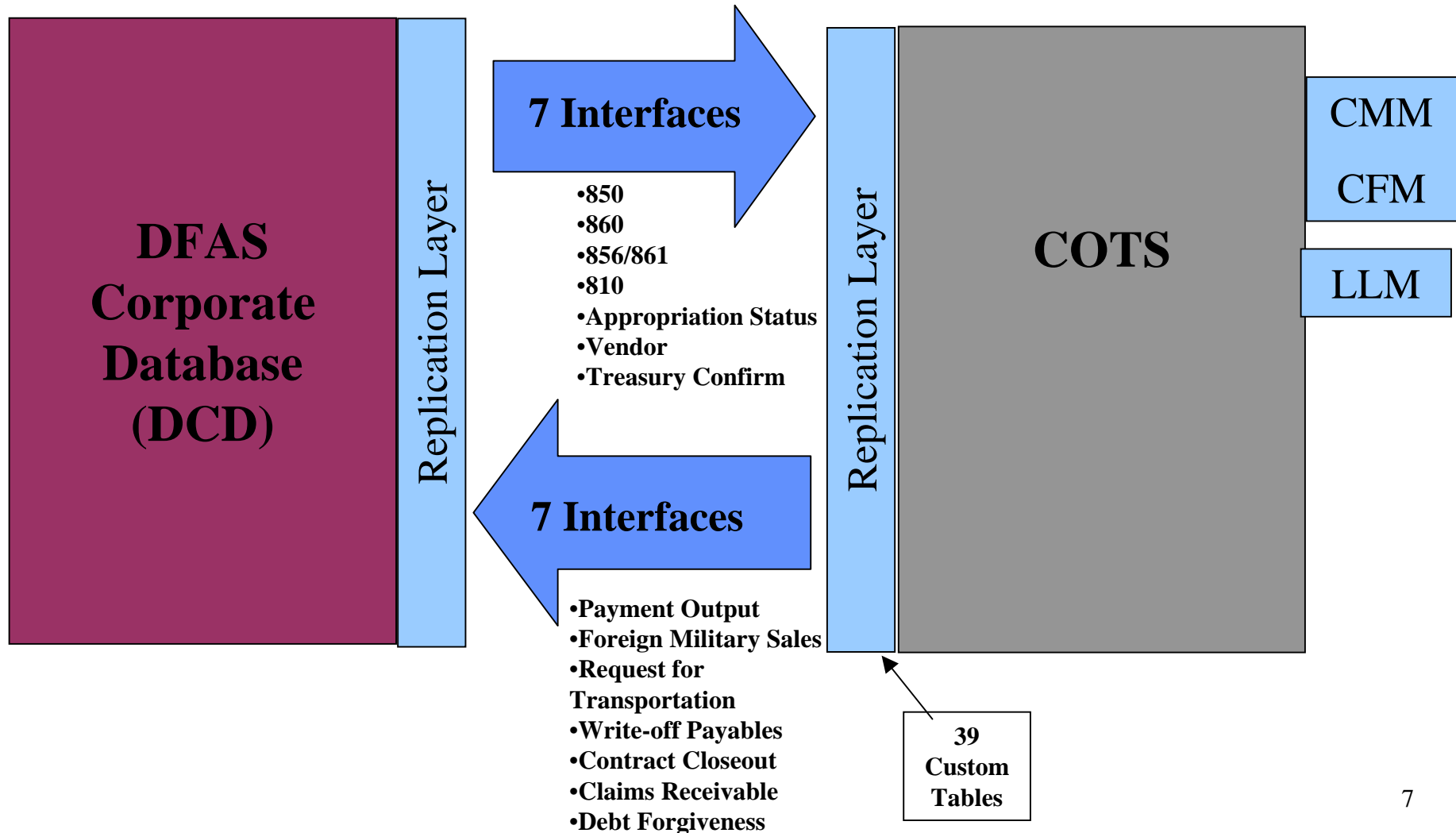Detailed Transactions

Standard Data

DPPS - The Target Environment

- Latest systems technology and architecture
  - Shared data
  - Improved data integrity
  - Minimal manual intervention
  - Single point for data entry
  - Electronic versus hard copy data
- Audit trails and internal controls
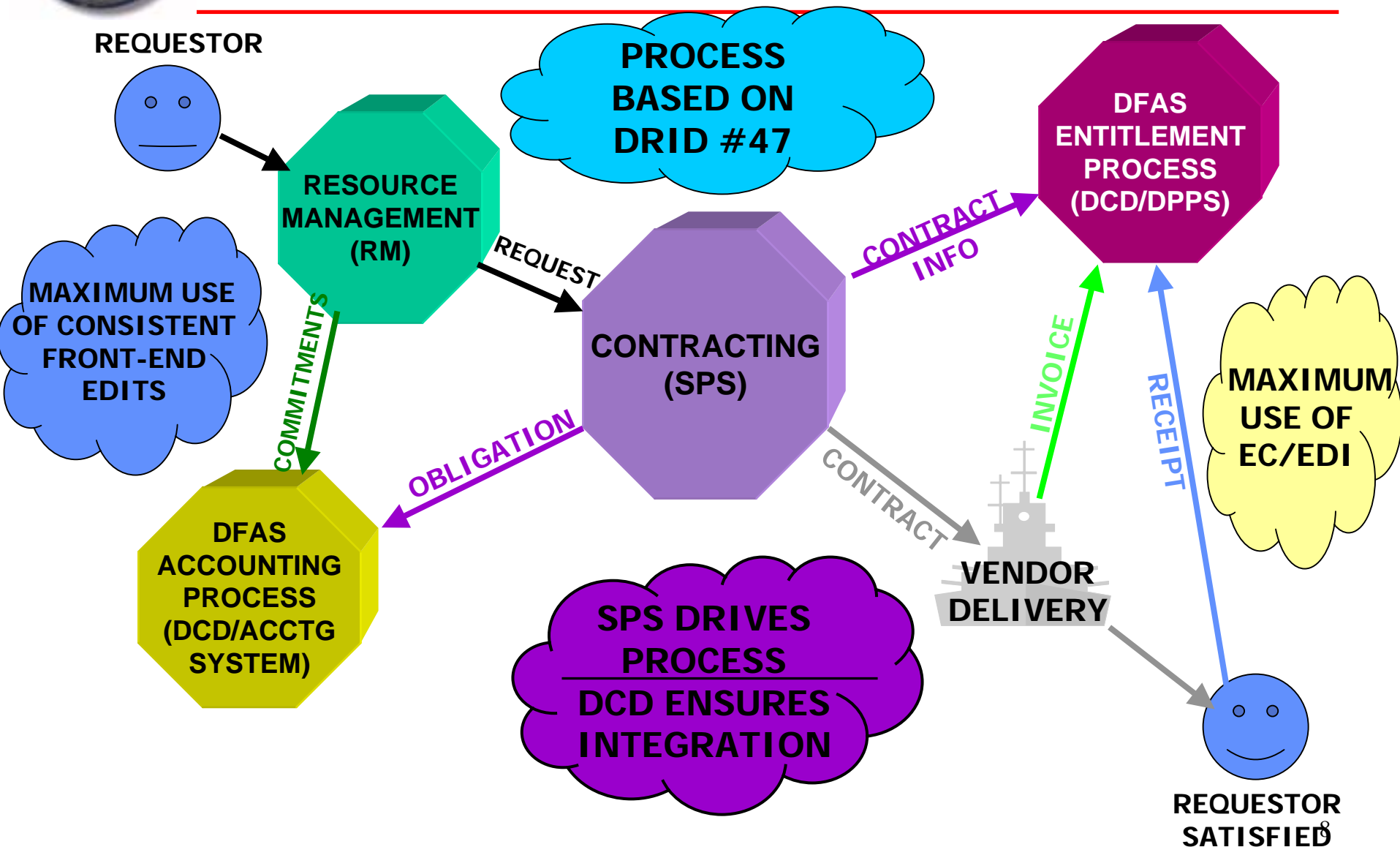 - Single point for funds availability

DPPS - The Business Solution

DFAS Corporate Database (DCD)

Replication Layer

7 Interfaces

- •850
- •860
- •856/861
- •810
- •Appropriation Status
- •Vendor
- •Treasury Confirm

7 Interfaces

- •Payment Output
- •Foreign Military Sales
- •Request for Transportation
- •Write-off Payables
- •Contract Closeout
- •Claims Receivable
- •Debt Forgiveness

Replication Layer

39 Custom Tables

COTS

CMM

CFM

LLM

The DoD End-To-End Solution

REQUESTOR

PROCESS BASED ON DRID #47

RESOURCE MANAGEMENT (RM)

DFAS ENTITLEMENT PROCESS (DCD/DPPS)

MAXIMUM USE OF CONSISTENT FRONT-END EDITS

REQUEST

CONTRACT INFO

COMMITMENTS

CONTRACTING (SPS)

INVOICE

RECEIPT

MAXIMUM USE OF EC/EDI

OBLIGATION

CONTRACT

DFAS ACCOUNTING PROCESS (DCD/ACCTG SYSTEM)

VENDOR DELIVERY

SPS DRIVES PROCESS

DCD ENSURES INTEGRATION

REQUESTOR SATISFIED

8

Business Process Changes

- Contracting

  - Structuring Contract Requirements by CLIN

  - Linkage of Requirements to $ by Commitments

  - Using the Commitment ID Number (CIN)

- Financial Management

  - Commitment Accounting

  - Commitment used as Funds Control Point
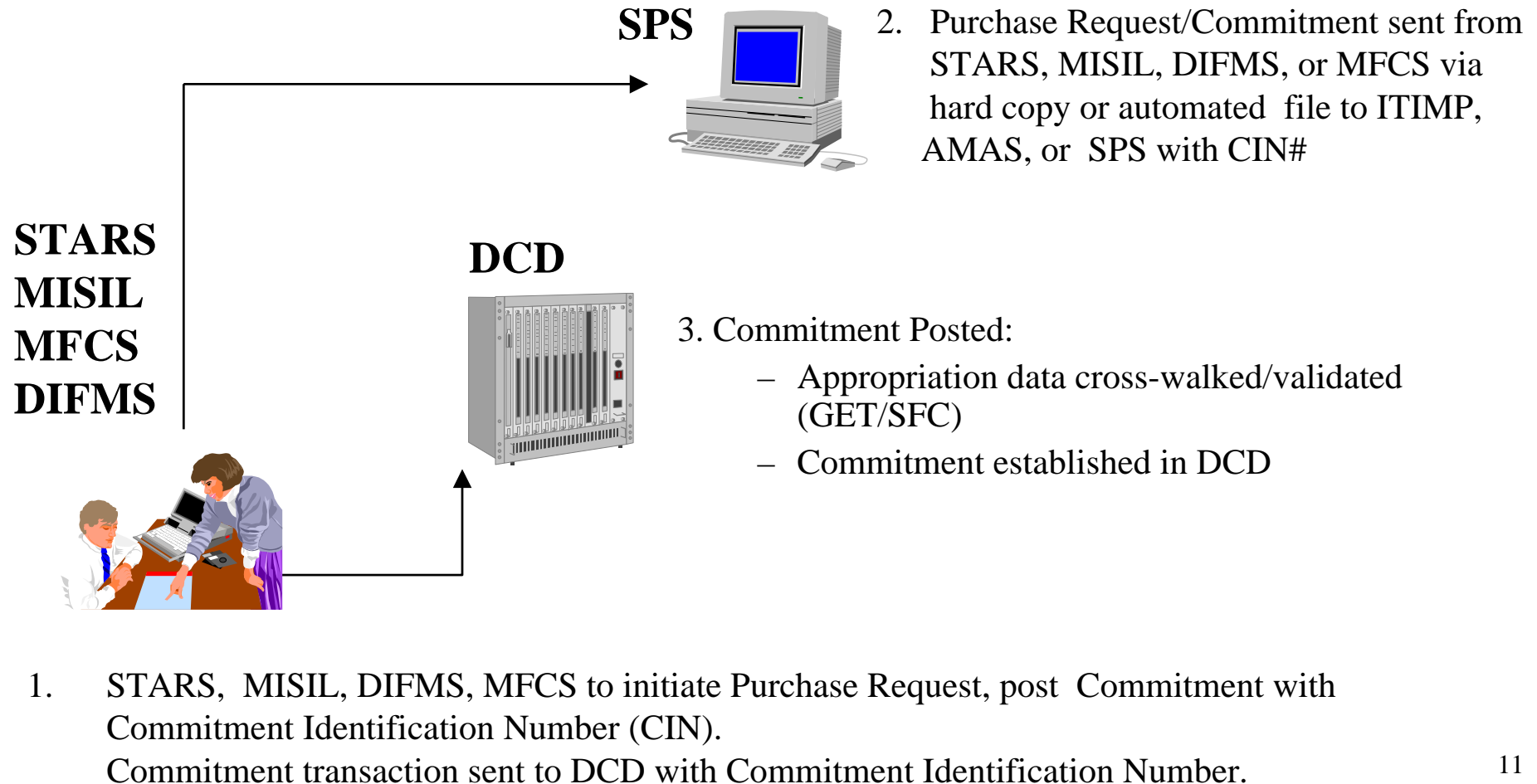
  - Contracting Drives Funds Changes

Commitment Identification Number

- The CIN (e.g., Purchase Request, Purchase Requisition Number, etc.) is a unique number associated with a specific Line of Accounting (LOA) used to record and track a commitment in the accounting system.

- The CIN must be cited on the contract at the CLIN/SLIN (ELIN/SELIN) and ACRN/LOA level with associated obligation amounts.

Purchase Request/Commitment Process

SPS

2. Purchase Request/Commitment sent from STARS, MISIL, DIFMS, or MFCS via hard copy or automated file to ITIMP, AMAS, or SPS with CIN#

STARS
MISIL
MFCS
DIFMS

DCD

3. Commitment Posted:
   – Appropriation data cross-walked/validated (GET/SFC)
   – Commitment established in DCD

1. STARS, MISIL, DIFMS, MFCS to initiate Purchase Request, post Commitment with Commitment Identification Number (CIN).
   Commitment transaction sent to DCD with Commitment Identification Number.

Purchase Contract/Obligation Process

1. Contract Issued

    SPS, ITIMP, AMAS originates 850 or 860 EC/EDI (Contract & Contract Modification),
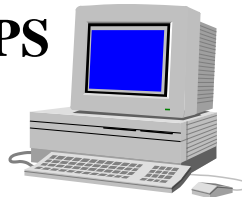   Proprietary, or Hard Copy Transaction(s) and sends to DCD with CIN#

SPS
ITIMP
AMAS

DCD
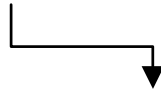
2. DCD Posts Obligation matching to CIN#
    - Commitment Balance verified based on the match made to the CIN#
    - Obligation established/updated in DCD

DPPS

3. Applicable information passed to DPPS with obligation sent to STARS, DIFMS, MFCS, and MISIL
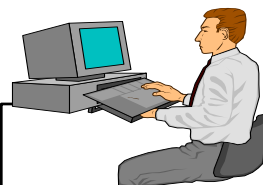
Purchase Receipt/Invoicing/Entitlement Process

1. Vendor ships goods and submits 856 EC/EDI (Shipping Notice)Transaction to DCD

    OR

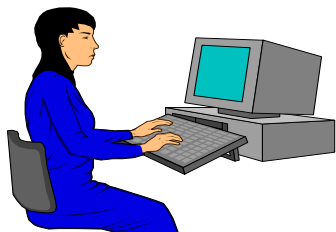   Vendor submits 810 EC/EDI (Invoice) Information to DCD

WAWF, SYMIS, UADPS, ANSRS, UICP

2a. Authorized Receiver generates receipt which is sent DCD as proprietary transaction, 861 EC/EDI (Receiving Report), or via hard copy.
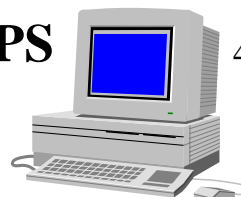
DCD

3. Accrual Posted
    – Obligation Balance or Funds Availability electronically verified (pre-validation occurs by default)
    – Accrual/Accounts Payable established in DCD.

WAWF

2b. Where applicable, Contract Administration Office Reviews/Approves Applicable 856/810 EC/EDI transactions.
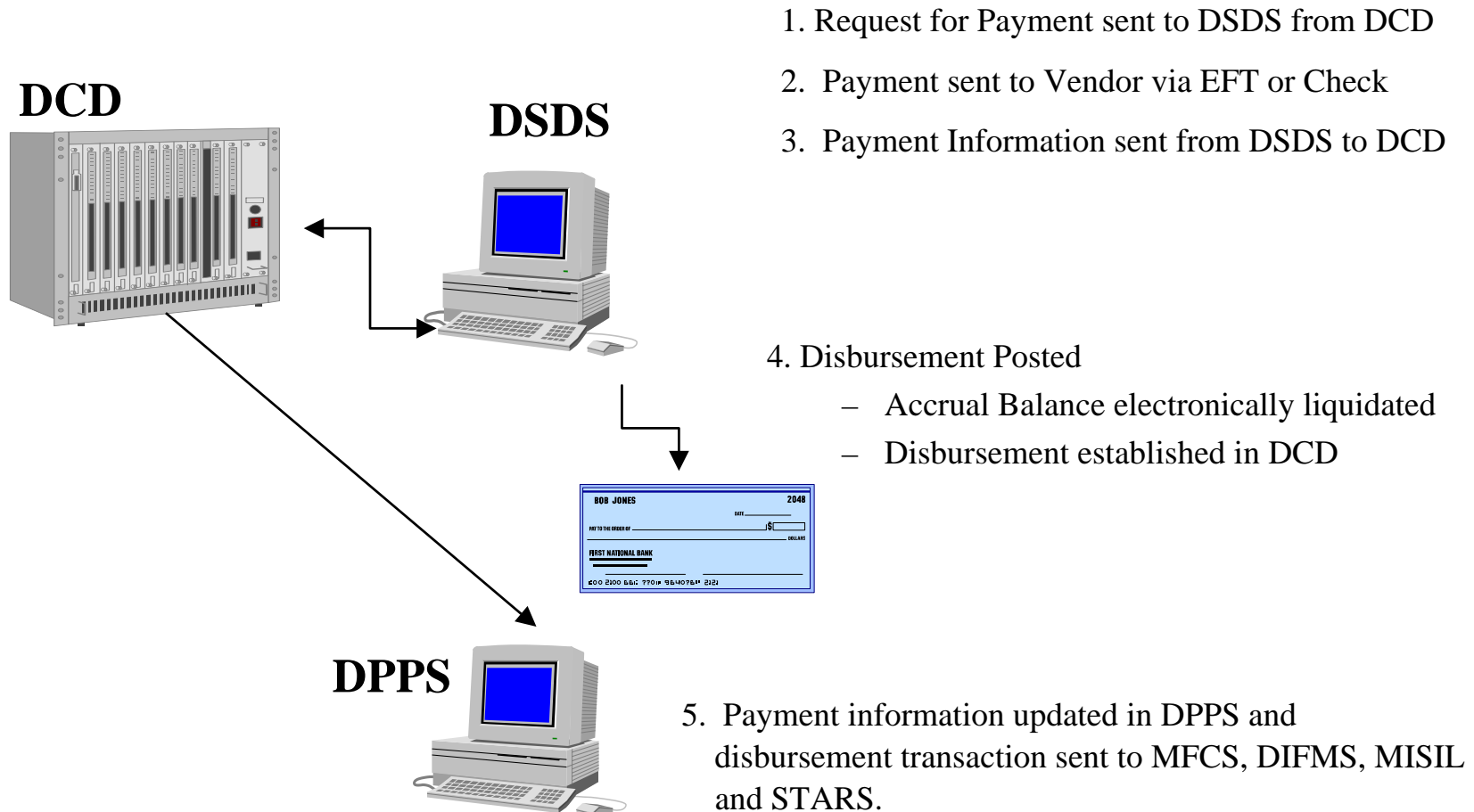
DPPS

4. Entitlement is computed in DPPS using Contract, Receiving Report, and Invoice information.

5. Request for Payment is passed to DCD for payment by DSDS

Entitlement Payment Process

DCD

DSDS

1. Request for Payment sent to DSDS from DCD

2. Payment sent to Vendor via EFT or Check

3. Payment Information sent from DSDS to DCD

4. Disbursement Posted
   – Accrual Balance electronically liquidated
   – Disbursement established in DCD

BOB JONES   2048

DATE

PAY TO THE ORDER OF _____ $

DOLLARS

FIRST NATIONAL BANK

DPPS

5. Payment information updated in DPPS and disbursement transaction sent to MFCS, DIFMS, MISIL and STARS.

SPS and DCII (DCD/DPPS) Schedules

FY 1999				FY 2000				FY 2001				FY 2002				FY 2003			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

SPS v4.1

SPS v4.2 Beta

SPS v4.1c DFAS

DCII 0203

SPS v4.2

DCII 0301

DCII 0302

SPS v5.0

DCII 0303

DCII 0400

SPS v5.1

Post / Camp / Station

Contract Admin-ACO

Contract Admin-Oth

Procurement "Swimlane"

Wpn Sys

ICPs

Finance "Swimlane"

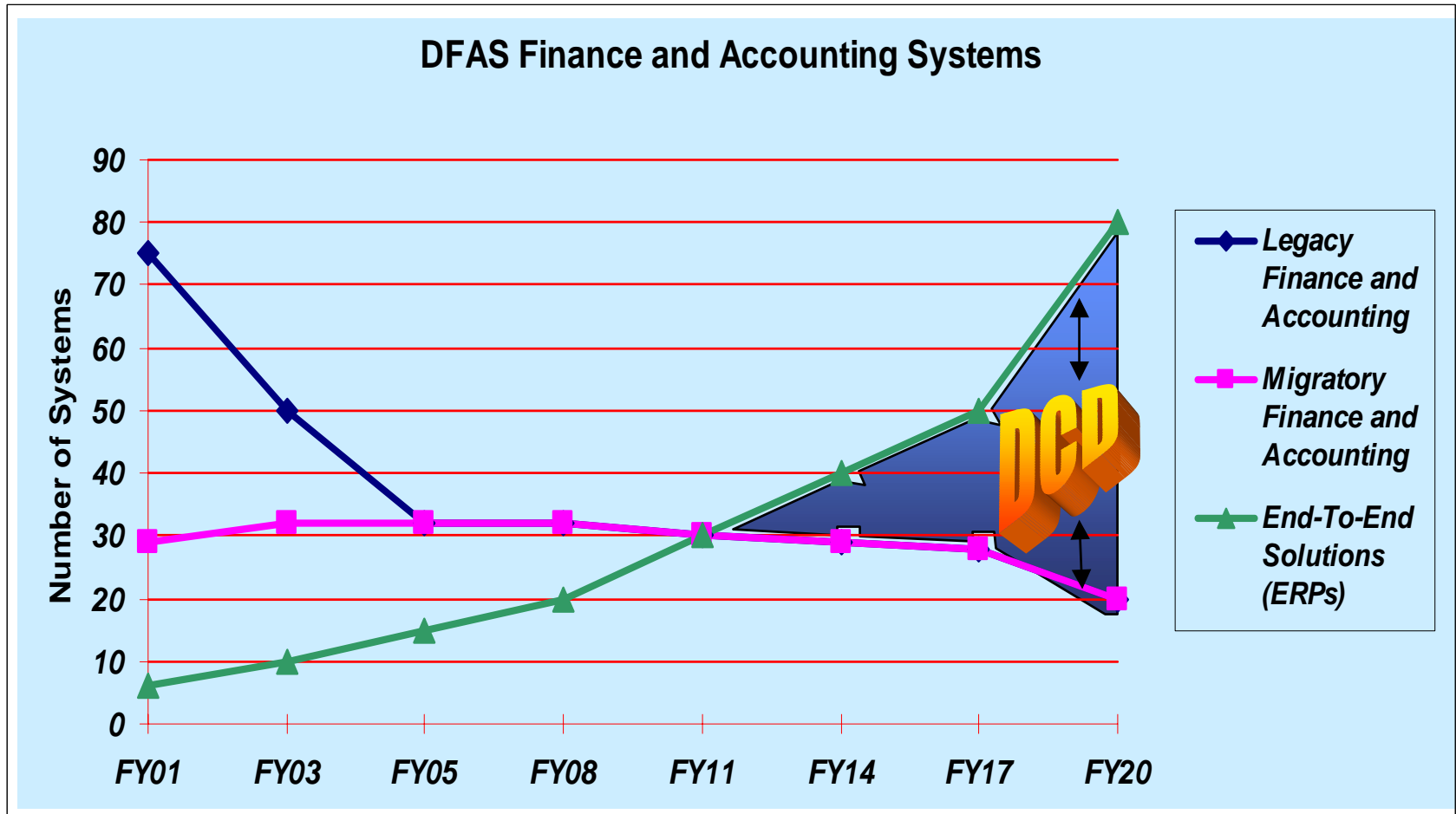SOCOM

CAPS

CAPS

DFAS-CO DFAS PMTS

DFAS-KC

MOCAS (Brownout)

Under Review

Vendor Pay

What about ERP's?

DFAS Finance and Accounting Systems

BOTTOM LINE: IMPROVEMENT FOR ALL PLAYERS!

	Requestor/ Customer	RMs	Contracting	Contract Admin	Finance/Acct
Increased accuracy of payments	✓	✓	✓	✓	✓
Automated editing of all data		✓	✓	✓	✓
Eliminates redundant manual input		✓	✓	✓	✓
Reduces duplicate/over payments				✓	✓
More timely payments	✓	✓	✓	✓	✓
A/P netted against current payments			✓	✓	✓
Access to DCW for invoice status	✓	✓	✓		✓
Accurate/timely financial info in budgets	✓	✓			✓
Interest payments drastically reduced	✓	✓			✓
Clear audit trail of all expenditures	✓	✓	✓	✓	✓
Reduce problem disbursements & rework		✓		✓	✓
Standardized entitlement process			✓	✓	✓